CRGS0603J6M8 ✔ ACTIVE

NEOHM | NEOHM CRGS

TE Internal #: 8-2176243-3

6.8M ohm, Thick Film, General Purpose Resistor, 5 %, 0603, .25 W, ±100 ppm/°C, Steel Cap, 2 Terminations, .45 mm [.018 in] Height, NEOHM CRGS

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **0603**

Power Rating: **.25 W**

Resistance Value: **6.8M Ω**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Thick Film
Package Size Code	0603

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	50 V
Power Rating	.25 W
Resistance Value	6.8M Ω
Resistance Class	1MΩ – 1GΩ
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Steel Cap
Number of Terminations	2

Dimensions

Product Height	.45 mm[.018 in]
Product Length	1.6 mm[.063 in]
Product Width	.8 mm[.031 in]

Usage Conditions

Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

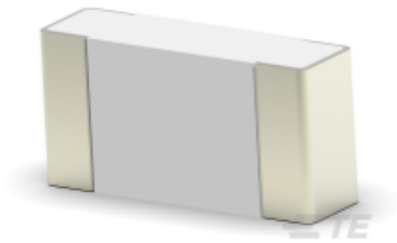
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

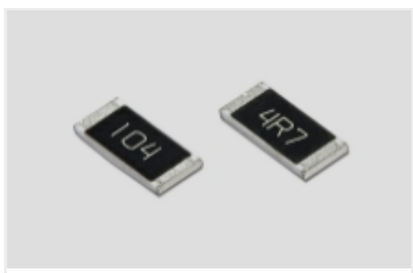
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



TE Part # 8-2176243-2
CRGS0603 5% 5M6

Also in the Series | NEOHM CRGS



Surface Mount Resistors(208)

Customers Also Bought



TE Part #182920-1
CPC SQ FL. RCPT REV SEX



TE Part #280361
AMPMODU II REC. HSG, SINGLE ROW 8 POS



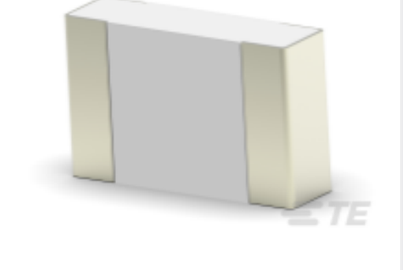
TE Part #350433-1
12P UMNL PIN HDR ASSY NATL



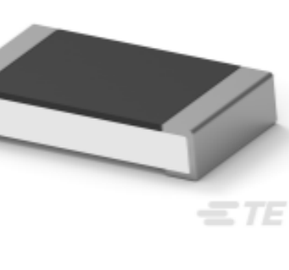
TE Part #5-1622820-0
3520 47R 5%



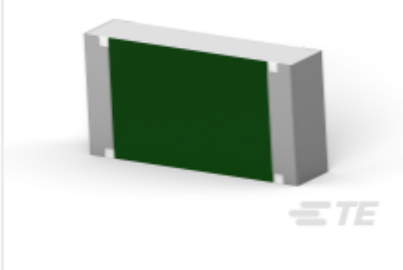
TE Part #1676411-2
RN 0805 69K8 0.1% 10PPM 1KRL



TE Part #8-2176244-5
CRGS0805 5% 10M



TE Part #4-2176387-5
RQ 1206 383K 0.1% 10PPM 1K RL



TE Part #2176398-8
3502 27K 1%



TE Part #1-2176398-4
3502 47K 1%



TE Part #6609066-4
20AYO1=F7694 S0

Documents

Product Drawings

CRGS0603 5% 6M8

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-2176243-3_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-2176243-3_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-2176243-3_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

SMD Anti-Surge Thick Film Chip Resistor - Type CRGS Series - Tyco Electronics Passives

English